



UNITED STATES PATENT AND TRADEMARK OFFICE

A

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/975,681	10/11/2001	John D. Haley	2001P13207 US01	9430

7590 10/07/2005

Elsa Keller, Legal Assistant
Intellectual Property Department
SIEMENS CORPORATION
186 Wood Avenue South
Iselin, NJ 08830

EXAMINER

VO, TED T

ART UNIT PAPER NUMBER

2191

DATE MAILED: 10/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/975,681	HALEY ET AL.	
	Examiner	Art Unit	
	Ted T. Vo	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02/09/2005, and Appeal Brief 06/29/2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to the claimed amendment filed on 02/09/2005 before the filing of Appeal Brief.

In view of the Appeal Brief filed on 06/29/2005, PROSECUTION IS HEREBY REOPENED.

Double patenting rejection is provided based on the newfound US patent No. 6,883,144 B2. A new ground of rejection is set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

- (1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,
- (2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

Response to Arguments

2. Applicants' arguments to Claim 1-19 in the brief have been fully considered. Applicants' arguments are moot. New ground of rejection is set forth in this Office Action.

Double Patenting

3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-4, 12-19 are rejected under the judicially created doctrine of obviousness-type double patenting as being respectively unpatentable over claims 1-6 of U. S. Patent No. 6,883,144 B2. Although the conflicting claims are not identical, they are not patentably distinct from each other because:

The claims in US patent No. 6,883,144 B2 are listed as follows:

1. A system supporting use of user customizable expressions by a plurality of different executable applications, comprising:
a database for associating a particular application of said plurality of different executable applications with a particular data item of a plurality of selectable data items available for incorporation in a user entered expression and for excluding use by said particular application of data items of said plurality of selectable data items unassociated with said particular application;
an interface processor for receiving a user entered expression and for incorporating said particular data item in said user entered expression to provide a resultant expression for use by said particular application; and
an expression processor for operating on data from said particular application with said resultant expression to provide a calculated result value.
2. A system according to claim 1, wherein said expression processor resolves said resultant expression to provide a calculated result comprising at least one of, (a) a financial reimbursement sum determined per health care policy terms and (b) a computed value.
3. A system according to claim 1, wherein said resultant expression is a logical expression and said data items comprise at least one of (a) a patient identifier, (b) a medical condition identifier, (c) a patient address and (d) patient medical record information.
4. A system according to claim 1, wherein said resultant expression comprises an algebraic expression including one or more operators, and said database associates said particular application with algebraic expression operators including at least two of (a) a multiplication operator, (b) a division operator, (c) an addition operator and (d) a subtraction operator.
5. A system according to claim 1, wherein said resultant expression is a logical expression and said particular data item comprises at least one of, (i) a patient identifier and (ii) a medical condition identifier, and said database associates said particular data item with at least one of, (a) an acceptable parameter, (b) an acceptable value, (c) an acceptable range of values and (d) an acceptable range of parameters.

Art Unit: 2192

6. A system according to claim 1, wherein said interface processor allocates a version identifier to said resultant expression and said expression processor selects a latest version of said resultant expression based on version identifier.

As per Claim 1:

Claim 1/US patent Claim 1: **a first image window listing a plurality of data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value** (US patent: a database 'window listing' for associating a particular application of said plurality of different executable applications with a particular data item of a plurality of selectable data items available for incorporation in a user entered expression and for excluding use by said particular application of data items of said plurality of selectable data items unassociated with said particular application),

an image prompt element for permitting user entry of said expression and for incorporating a data item in an entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window (US patent: an interface processor for receiving a user entered expression and for incorporating said particular data item in said user entered expression to provide a resultant expression for use by said particular application), **and an icon for initiating storing of said resultant expression** (US patent: receiving a user entered expression and for incorporating said particular data item); **and**

an expression processor for processing said resultant expression to provide a calculated result value in response to user command (US patent: an expression processor for operating on data from said particular application with said resultant expression to provide a calculated result value).

As per Claim 2:

Claim 2/US patent Claim 4: See Patent Claim 4 above.

As per Claim 3:

Claim 3/US patent Claim 5: See Patent Claim 5 above.

Art Unit: 2192

As per Claim 4:

Claim 4/US patent Claim 1: Claimed limitations are compared to "a database for associating a particular application of said plurality of different executable applications with a particular data item of a plurality of selectable data items".

As per Claim 12:

Claim 12/US patent Claim 6: See Patent Claim 6.

As per Claim 13:

Claim 13/US Patent Claims 1 and 6: Claim 13 has the functionality of patent Claim 1 (see rationale addressed to Claim 1 above) combined with the of patent claim 6.

As per Claim 14:

Claim 14/US patent Claim 1: See rationale addressed in Claim 1 above.

As per Claim 15:

Claim 15/US patent Claim 1:

said expression comprises a calculable expression (user enter expression) and

said expression processor processes said resultant expression to provide a calculated result

value in response to said user command (patent: an expression processor for operating on data from said particular application with said resultant expression to provide a calculated result value).

As per Claim 16:

Claim 16/ US patent Claims 1 and 5: Claim 16 has the functionality of patent Claim 1 (see rationale addressed to Claim 1 above) combined with the of patent claim 5.

As per Claims 17,19:

Claims 17,19/US patent Claim 1: See rationale addressed in Claim 1 above.

As per Claim 18:

Claim 18/US patent Claim 1: See rationale addressed in Claim 15 above.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claim 14 is rejected under 35 U.S.C. 102(b) as being anticipated by Nielsen et al (EP 0 851 368 A2) (hereinafter: Nielsen).

As per Claim 14: Nielsen discloses, *"A system for providing a user interface display image supporting user entry of an expression for use in deriving information associated with a patient, comprising: a user interface menu generator for providing a displayable image including, a first image window listing a plurality of selectable data items (See Figure 2, item 265, and its exemplary layout in Figure 4, item 470) individually selectable from a plurality of different types of predetermined data items (See Figure 4, item 470, and associated text, where elements in item 470 such as "GOOD BOY", "GOOD GIRL" are predetermined and selected by a user who enters these into the window item 200) available for incorporation in an expression, said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values (GOOD BOY, GOOD GIRLD, etc., or whatever entered in the text window items 200) for corresponding predetermined data item (See Figure 2, item 270, and Figure 4: corresponding),*

an image prompt element permitting user entry of said expression and for incorporating a data item in said expression from said listed data items to provide a resultant expression (See Figure 2: ("Good Boy" OR "Good Girl") BUT NOT (Bad Dog)) in response to user selection of said data item in said first image window (Figure 2, Items 200, 270: image prompt element), and

Art Unit: 2192

*an icon for initiating storing of said resultant expression (Figure 2, reference number 275); and
an expression processor for resolving said resultant expression to provide a result in response to user
command (Figure 2, reference numbers 280, 281, etc.)."*

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A person shall be entitled to a patent unless –

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-12, 15, 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nielsen et al (EP 0 851 368 A2), in view of Netscape Communications Corporation, "JavaScript Guide", 1997 (hereinafter: Netscape).

Given the broadest reasonable interpretation of followed claims in light of the specification.

As per Claim 1:

Nielsen discloses displaying images in a user interface used in a computer window of a computer in which it is provided pull-down windows incorporated with search mechanism to connected to its determined directory/data ("Personal Library") or to World Wide Web. In the user interface, it provides multiple pull-down menu windows to display menus for selectable operators, data, and results such as shown in Figure 2, and Nielsen covers limitations,

user interface menu generator for providing a displayable image (all elements in the pull-down windows such as items 210 or 260, or item 200) including

Art Unit: 2192

a first image window listing a plurality of data items (See Figure 2, item 265, and its exemplary layout in Figure 4, item 470) individually selectable from a plurality of different types of predetermined data items (See Figure 4, item 470, and associated text) available for incorporation in an expression (See Figure 2, item 270: ("Good Boy" OR "Good Girl") BUT NOT (Bad Dog)), used for calculating a result value,

an image prompt element for permitting user entry of said expression and for incorporating a data item in an entered expression from said listed data items to provide a resultant expression (Figure 2, reference numbers 200, 270) used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression (Figure 2, item 275); and

an expression processor (Page 4, lines 42-44: 'Applets') for processing said resultant expression to provide a calculated result value in response to user command (Figure 2, reference numbers 280, 281, etc.).

Nielsen does not explicitly disclose, *"an expression used for calculating a result value"*

However, the selectable operators is shown as AND, OR, BUT NOT, and "...." (Nielsen: Figure 4, item 460) that would not explicitly cover the limitation "used for calculating a result value".

Netscape disclose a full set of OPERATORS such as AND, OR, etc., (Netscape: Chapter 9, page 33, Table 9.4) including algebraic operators (Netscape: Chapter 9, page 31, Table 9.1) provided for calculating result values (Netscape: Chapter 9, page 30, see section EXPRESSIONS, second paragraph). The Netscape shows its has built-in operators as element availability of window program application. Moreover, Nielsen suggests an extension of available operators (Nielsen: Figure 4, items 470, referring "... operators).

Therefore, It would be obvious to a person of ordinary skill in the art at the time of the invention was made to extend the displayed set of operators operable within Applets and HTML developed for window interface shown by Nielsen into full sets of Operators shown by Netscape. The motivation is that these operators are available as the embedded and/or built-in elements in a computer operating system and/or in a programming language; users can directly enter arithmetic expression in the input text without

Art Unit: 2192

using online or hand calculators, and thus the user can enhance search process, where the calculated values simply result in such arithmetic built-in operations of a computer such as add/subtract/multiplication/</>/, etc.

As per Claims 17, and 19:

Claim recites the limitations that perform the functionality corresponding to the functionality as recited by limitations of Claim 1. Claims 17 and 19 have the rejection in the same reason as set forth in conning to the rejection of Claim 1.

As per Claim 2: "A system according to claim 1, wherein
said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values (GOOD BOY, GOOD GIRLD, etc., or whatever entered in the text window items 200) for corresponding predetermined data item (See Figure 2, item 270, and Figure 4: corresponding) and
said data item is incorporated in said expression together with an operator comprising at least one of, (a) a logical operator (See AND, OR, BUT NOT, and "....." in Figure 4)
and (b) an algebraic operator to provide resultant expression.

Nielsen does not explicitly disclose "(b) an algebraic operator to provide resultant expression",

Netscape disclose a full set of OPERATORS including algebraic operators (Netscape: Chapter 9, page 31, Table 9.1) incorporating in window applications, provided for calculating result values (Netscape: Chapter 9, page 30, see section EXPRESSIONS, second paragraph). It would be obvious to a person of ordinary skill in the art at the time of the invention was made to include all the algebraic operators as given by Netscape because these operators are available and provided in any window applications, and thus extend further search/calculation functionality.

As per Claim 3: Neilson further discloses the limitation of claim 3.

Regarding further limitation, where in said plurality of different types of predetermined data items comprises at least one of (a) a patient identifier, (b) a medical condition identifier, (c) a patent address and (d) patient medical record information.

Art Unit: 2192

This claim specifies, "*predetermined data items comprises*" as listing the non-functional descriptive data elements, "*(a) a patient identifier, (b) a medical condition identifier, (c) a patient address and (d) patient medical record information*". Particularly, these data elements are the information/data in a library related to medical records. These descriptive materials/data elements in the limitations does not perform a function, and thus will not distinguish the claimed invention from the prior art of Nielsen in the terms "Good Boy", "Good Girl", "Personal Library 1", "Personal Library 2", etc. Because "Personal Library" (Figure 2) is a storage directory see commonly in a computer. It would contain all types of data. Therefore, Neilson's "System Library" which is a top hierarchy of "Personal Library 1", "Personal Library 2", "...", in Figure 4; or "WWW" (Nielsen: page 2, lines 25-30) reads this limitation. (See *In re Gulack*, 703 F.2d 1381, 1385, 217 USPQ 401, 404 (Fed. Cir. 1983); *In re Lowry*, 32 F.3d 1579, 32 USPQ2d 1031 (Fed. Cir. 1994) - Descriptive materials will not distinguish the claimed invention from the prior art in terms of patentability).

As per Claim 4: Nielsen further discloses, *A system according to claim 1, wherein predetermined data items are individually selectable by selection of displayed elements in a hierarchy tree structure, said displayed elements representing predetermined data items* (See "System Library" which is a top hierarchy of "Personal Library 1", "Personal Library 2", "...", in Figure 4. User can enter or predetermined items in window item 200, or 270, and also see in page 6, lines 10-15, "User may create one ore more subset [hierarchical structure] of the system library". System library is a common directory; it is seen in a common window like Microsoft Window 95, containing a hierarchy system of files/types).

As per Claim 5: Nielsen further discloses,

"A system according to claim 1, wherein said expression processor initiates generation of a displayed notification to a user indicating said entered expression is invalid and said expression processor initiates generation of a display notification to a user indicating said enter expression is invalid (See page 2, line 22, "query syntax", and see Figure 9, and further see page 4, lines 42-55, "an applet to compute the proper search syntax", "CONTENT HANDLER", see "Java Interpreter" in page 5, line 10, see "specifying the correct search syntax" in page 5, line 30, all these have means of handling *invalid expression*).

As per Claim 6: Nielsen further discloses,

Art Unit: 2192

"A system according to claim 1, wherein said displayable image includes an icon for initiating verification an entered expression is valid." (See page 6, lines 35-36, "A plurality of button 280-284 are displayed across the bottom of graphical user interface. These permit or invoke functionality useful or desirable in carrying out a search": teaching inherently *"includes an icon"* and *"entered expression is valid"*. For example a query syntax included with an incorrectly operator entered by a user would inherently detected by parsing when one of these button 'icon' is clicked.) *and said verification includes a syntax check of said enter calculable expression* (See page 2, line 22, "query syntax", and see Figure 9, and further see page 4, lines 42-55, 'an applet to compute the proper search syntax as the user manipulates the GUI form', "CONTENT HANDLER", see "Java Interpreter" in page 5, line 10, see "specifying the correct search syntax" in page 5, line 30, all these have means of handling *invalid expression*).

As per Claim 7: In further view of Claim 7 limitations,

Nielsen discloses applets in page 4, lines 42-55, that compute the expression entered by a user in the Figure 2 to cover *"wherein said expression processor resolves said resultant expression to provide a result"*

Nielsen does not disclose, *"comprising a financial reimbursement sum determined by health care policy terms"*.

Netscape discloses a full set of OPERATORS such as AND, OR, etc., (Netscape: Chapter 9, page 33, Table 9.4) including algebraic operators (Netscape: Chapter 9, page 31, Table 9.1) provided for calculating result values for any formula entered in a particular text window like the item 200 of Neilson, where if the formula direct to a health care financial calculation would result *reimbursement sum*.

It would be obvious to a person of ordinary skill in the art at the time of the invention was made to enter *reimbursement sum* formula in the window of Nielsen to extent to the operators provided by Netscape, thus it results a desired *financial reimbursement sum*.

As per Claim 8: Nielsen further discloses,

"A system according to claim 1, wherein said plurality of different types of predetermined data items include miscellaneous values comprising predetermined specific words (Referring terms "Good Boy", "Good Girl", "Bad Dog", "Personal Library 1", "Personal Library 2", etc.).

Art Unit: 2192

As per Claim 9: Nielsen further discloses,

"A system according to claim 1, wherein displayable image (Figure 2) includes an image prompt element supporting user entry of a name for identifying a resulting expression (Figure 2, item 270, 275) and said user interface menu generator provides an image window permitting user selection of a template calculable expression from a plurality of predetermined template expressions." (See Figure 2, item 275, a pull down menu, and see page 6, lines 28-34).

(Examiner note: the expression such as '("Good Boy" OR "Good Girl") BUT NOT (Bad Dog)" ' in item 270 is also a calculable expression).

As per Claim 10: Nielsen further discloses, *"A system according to claim 1, wherein said user interface menu generator provides an image window permitting user selection of a template calculable expression from a plurality of predetermined template calculable expression and (See Figure 2, pull-down menu 275) said image prompt element incorporates a selected template calculable expression in response to user selection of said selected template calculable expression." (See Figure 2, and see page, lines 28-34, and see Figure 5).*

As per Claim 11: Nielsen further discloses, *"A system according to claim 1, wherein said first image window lists a plurality of selectable data items in a hierarchical tree type structure." (See Figure 2, item 265, see Figure 4, item 470, see in page 6, lines 10-15, "User may create one ore more subset [hierarchical structure] of the system library") and said plurality of selectable data items are associated with user accessible data item descriptions (See Figure 2, item 260, Figure 4, item 470).*

As per Claim 12: Nielsen further discloses, *"A system according to claim 1, wherein said icon for initiating storing of said resulting expression (Figure 2, item 275, and associated text in page 6, lines 28-34, that store a list of previous enter queries 'resulting expression') initiates allocation of a version identifier to said resulting expression" (See Figure 2, results form searching given in pull menu 265 that are allocated in system Library. For example: Personal Library 1, Personal Library 2 version identifier)).*

As per Claim 15: Claim 15 is further limitation of Claim 14 which is covered as addressed in the rejection under 35 U.S.C. 102(b) above.

Art Unit: 2192

Nielsen further discloses, "a calculable expression (Nielsen: Figure 2, item 270: ("Good Boy" OR "Good Girl") BUT NOT (Bad Dog)) *and said expression processor processes said resultant expression to provide a calculated result value in response to said user command.*

Nielsen does not disclose, "*said resultant expression to provide a calculated result value in response to said user command*".

Netscape discloses a full set of OPERATORS that could be processed by processors. The operators such as AND, OR, etc., (Netscape: Chapter 9, page 33, Table 9.4) including algebraic operators (Netscape: Chapter 9, page 31, Table 9.1) provide the calculated result values.

Therefore, It would be obvious to a person of ordinary skill in the art at the time of the invention was made to extend the displayed set of operators operable within Applets and HTML developed for window interface shown by Nielsen into full sets of Operators shown by Netscape. The motivation is that these operators are available as the embedded and/or built-in elements in a computer operating system and/or in a programming language; users can directly enter arithmetic expression in the input text areas without using online or hand calculators, and thus the user can enhance search process, where the calculated values simply result in such arithmetic built-in operations of a computer such as add/subtract/multiplication/</>, etc.

As per Claim 18: Nielsen further discusses, "A system according to claim 17, wherein said expression processor processes said resultant expression to determine said resultant expression is valid and wherein said system for providing a user interface display image comprises machine executable code stored on a tangible storage medium." (See page 2, line 22, "query syntax", and see Figure 9, and further see page 4, lines 42-55, "an applet to compute the proper search syntax", "CONTENT HANDLER", see "Java Interpreter" in page 5, line 10, see "specifying the correct search syntax" in page 5, line 30, all these have means of handling *invalid expression*).

Art Unit: 2192

Allowable Subject Matter

8. Claims 13 and 16 are reject under double patenting. A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) will overcome the rejection of Claims 13 and 16.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (571) 272-3706. The examiner can normally be reached on 8:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3694. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ted T. Vo
Primary Examiner
Art Unit 2122
September 29, 2005